

Experiment Number: 462636
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Glutaraldehyde
CAS Number: 111-30-8

Date Report Requested: 09/19/2018

Time Report Requested: 17:11:47

NTP Study Number:	462636
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.00 ± 0.16		28.46 ± 1.72
5.0	5	1.30 ± 0.54	0.8887	30.52 ± 1.95
10.0	5	1.40 ± 0.56	0.8485	32.34 ± 2.67
20.0	4	2.38 ± 0.47	0.2954	21.75 ± 3.32
Trend p-Value		0.2100		
Positive Control ²	5	11.40 ± 2.81	< 0.001 *	29.62 ± 2.62

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.30 ± 0.41		42.34 ± 1.10
5.0	5	2.20 ± 0.30	0.5593	44.18 ± 1.36
10.0	5	0.90 ± 0.29	0.9934	41.66 ± 3.92
20.0	5	2.20 ± 0.30	0.5593	42.84 ± 6.08
Trend p-Value		0.6510		
Positive Control ²	5	7.70 ± 1.48	< 0.001 *	35.90 ± 3.14

Trial Summary: Negative

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**** END OF REPORT ****